



Port of Seattle

Northwest Ports Clean Air Strategy

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Port of Seattle Overview

- Independent municipal corporation created in 1911
- 5 Commissioners elected at large by voters of King County
- Diverse operations
 - Seaport (cargo, cruise, marinas)
 - Seattle-Tacoma International Airport
 - Commercial Real Estate
- Broad Economic Impact (2005 study)
 - Supported nearly 200,000 jobs in the Puget Sound region
 - Over \$12 billion in business revenue
 - \$625 million in state and local taxes



An aerial photograph of the Puget Sound region in Washington state. In the background, the snow-capped peak of Mount Rainier rises above a layer of clouds. The foreground shows the city of Seattle and the surrounding waterways, including the Duwamish River and Elliott Bay. The text is overlaid on the upper portion of the image.

Northwest Ports Clean Air Strategy Objective

Create a voluntary, joint strategy to reduce port-related air emissions that affect air quality and climate change in the Puget Sound/Georgia Basin Airshed

Why is Air Quality Important to the Port of Seattle?

- **Growth in Goods Movement**
- **Impacts on public health and the environment**
- **Shared Georgia Basin/Puget Sound Airshed**
- **Port Competitiveness**

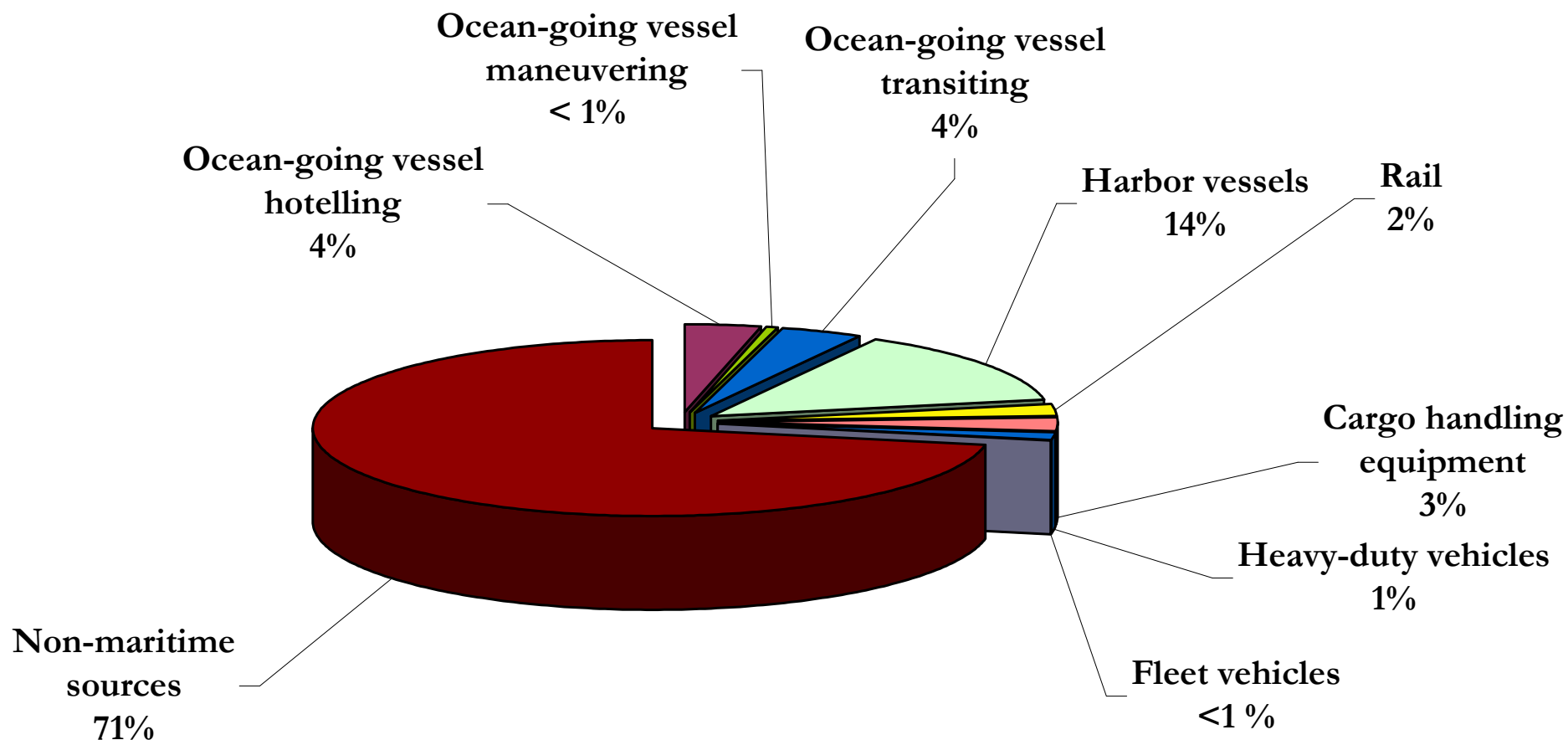
Puget Sound Maritime Air Emissions Inventory

- 2005 activity based inventory
- Spans ~140 miles south-to-north; 160 miles west-to-east
- Close coordination with similar inventory for Georgia Basin



Diesel Particulate Matter From Non-Maritime and Maritime Sources

Puget Sound Clean Air Agency Region, %



Partners



Environment
Canada

Environnement
Canada



Approach

- **Clear, measurable performance measures**
 - Ocean-going vessels (OGV)
 - Cargo handling equipment (CHE)
 - Trucks
 - Rail
 - Harbor vessels
- **Encourage ongoing innovation instead of mandated solutions**
- **Short Term (2010) and Long Term (2015) targets**



Stakeholder Consultation and Outreach

- Strategy developed in conjunction with industry and community stakeholders
- Stakeholder work groups
 - Trucking
 - Rail
 - Ocean-going vessels
 - Harbor craft
 - Terminals
 - Labor
 - Environmental and Community groups
 - Public meetings



of Seattle

Working with the Industry

- Collaborative, bottom up approach that takes into account industry needs
 - Other ports have used top down, mandated approaches
- Looking for both emission reductions and goods movement efficiencies



Working with the Industry

- In lockstep with Port of Tacoma and Vancouver Fraser Port Authority
 - Avoids business competition based on the environment
 - Provides a regional level playing field
- Building on what works at the Port of Seattle



Performance Measures

	2010	2015
Ships	Use distillate fuels at berth	Meet IMO standards
Cargo-handling equipment	2000 model year engine or better	Best available emission control devices
Rail	Expedite EPA SmartWay standards	Comply with EPA's 2007 locomotive rules
Trucks	1994 or better emission standards	80% to meet 2007 emission standards
Harbor Craft	Low-sulfur fuels, new technologies	Advanced technology pilot projects

2008 Implementation

- Continue to work with industry stakeholders
 - Implementation details
 - Verification and reporting requirements
 - Annual review of the Strategy – performance management
- Identify and secure funding for incentives
- Vancouver Port Authority stakeholder consultation Spring/Summer 2008; adoption Fall 2008

The background of the slide is a photograph of a harbor scene. In the foreground, several people are walking on a pier. In the middle ground, there are numerous boats docked at a quay. In the background, a city skyline is visible across the water under a clear blue sky. The text 'Port of Seattle' is overlaid on the image, with a stylized logo consisting of three horizontal bars (light blue, green, and dark blue) to the right of the word 'Port'.

Port of Seattle

Where a Sustainable World is Headed

www.portseattle.org